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IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant: Beth C. MUNOZ et al.  
Title: SENSORS WITH IMPROVED  
PROPERTIES  
Appl. No.: 09/752,656  
Filing Date: December 29, 2000  
Examiner: Brian J. Sines  
Art Unit: 1743  
Confirmation Number: 9394

**REVOCATION OF PRIOR POWERS OF ATTORNEY BY ASSIGNEE**  
**APPOINTMENT OF NEW POWER OF ATTORNEY BY ASSIGNEE**  
**CHANGE OF CORRESPONDENCE ADDRESS**

Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

Sir:

Smiths Detection, Inc. is the assignee of Application No. 09/752,656 filed December 29, 2000, as evidenced by an Assignment recorded in the U.S. Patent and Trademark Office (PTO) on July 30, 2001 at reel/frame 012032/0103, and as evidenced by Change of Names and Merger forms that are attached hereto and that are being filed with the PTO concurrently with this document.

Smiths Detection, Inc., through its duly-delegated representative, hereby revokes all prior Powers of Attorney submitted in this application, and hereby appoints

the registered patent attorneys and patent agents associated with Customer Number:

**22428**

as its principal attorneys to have full power to prosecute this application and any continuations, divisions, reissues, and reexaminations thereof, to receive the patent, to transact all business in the United States Patent and Trademark Office connected therewith, and to have full power of substitution, association, and revocation, including the power to revoke the power of attorney of any associate attorney.

Please direct all future correspondence concerning this application to:

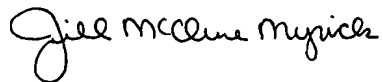
Rouget F. Henschel  
FOLEY & LARDNER LLP  
Customer Number: 22428

Telephone: (202) 295-4059  
Facsimile: (202) 672-5399

Executed this \_\_27\_\_ day of March, 2007.

Smiths Detection, Inc.

By:



---

(Signature)

---

Jill McClune Myrick  
(Printed Name)

---

Director, Contracts & Compliance  
(Title)

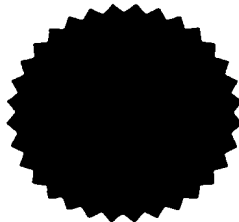
# Delaware

PAGE 1

*The First State*

I, HARRIET SMITH WINDSOR, SECRETARY OF STATE OF THE STATE OF DELAWARE, DO HEREBY CERTIFY THE ATTACHED IS A TRUE AND CORRECT COPY OF THE CERTIFICATE OF AMENDMENT OF "CYRANO SCIENCES, INC.", CHANGING ITS NAME FROM "CYRANO SCIENCES, INC." TO "SMITHS DETECTION-PASADENA, INC.", FILED IN THIS OFFICE ON THE FOURTH DAY OF FEBRUARY, A.D. 2004, AT 7:15 O'CLOCK P.M.

A FILED COPY OF THIS CERTIFICATE HAS BEEN FORWARDED TO THE NEW CASTLE COUNTY RECORDER OF DEEDS.



*Harriet Smith Windsor*

Harriet Smith Windsor, Secretary of State

2732847 8100

040078898

AUTHENTICATION: 2912199

DATE: 02-05-04

**CERTIFICATE OF AMENDMENT  
OF  
AMENDED AND RESTATED  
CERTIFICATE OF INCORPORATION OF  
CYRANO SCIENCES, INC.**

Cyrano Sciences, Inc., a Delaware Corporation (the "Corporation") hereby certifies as follows:

1. That the Corporation's Board of Directors has duly adopted the following resolution to amend the Corporation's Amended and Restated Certificate of Incorporation:

RESOLVED, that the Amended and Restated Certificate of Incorporation of the Corporation be amended by changing Article FIRST of the Certificate of Incorporation, so that such Article FIRST, as amended, shall read in its entirety as follows:

"FIRST: The name of this Corporation is Smiths Detection-Pasadena, Inc. (the "Corporation")."

2. That the proposed amendment has been duly adopted in accordance with the provisions of Section 242 of the General Corporation Law of the State of Delaware and has been consented to in writing by the stockholders, in accordance with Section 228 of the General Corporation Law of the State of Delaware.

The Corporation has caused this Certificate of Amendment of Amended and Restated Certificate of Incorporation to be signed by the Corporation's Assistant Secretary, its authorized officer, on this 3rd day of February, 2004.

CYRANO SCIENCES, INC.

By: Jill McClune Myrick

Name: Jill McClune Myrick

Title: Assistant Secretary

DEAN HELLER  
Secretary of State  
204 North Carson Street, Suite 1  
Carson City, Nevada 89701-4299  
(775) 684 5708  
Website: secretaryofstate.biz

FILED # C23520-9-

JUN 29 2004

IN THE OFFICE OF  
DEAN HELLER, SECRETARY OF STATE

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(Pursuant to Nevada Revised Statutes Chapter 92A)  
(excluding 92A.200(4b))  
SUBMIT IN DUPLICATE

- 1) Name and jurisdiction of organization of each constituent entity (NRS 92A.200). If there are more than four merging entities, check box ☐ and attach an 8 1/2" x 11" blank sheet containing the required information for each additional entity.

Smiths Detection-Pasadena, Inc.

Name of merging entity

Delaware

Jurisdiction



Corporation

Entity type \*

Name of merging entity

Jurisdiction

Entity type \*

Name of merging entity

Jurisdiction

Entity type \*

Name of merging entity

Jurisdiction

Entity type \*

and,

Environmental Technologies Group, Inc.

Name of surviving entity

Nevada

Jurisdiction

Corporation

Entity type \*

\* Corporation, non-profit corporation, limited partnership, limited-liability company or business trust.

This form must be accompanied by appropriate fees. See attached fee schedule.

Nevada Secretary of State, 204 North Carson Street, Carson City, NV 89701-4299

NV023 - (1/19/2003) C T System Center

DEAN HELLER  
 Secretary of State  
 204 North Carson Street, Suite 1  
 Carson City, Nevada 89701-4200  
 (775) 684 5708  
 Website: secretaryofstate.biz

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- 2) Forwarding address where copies of process may be sent by the Secretary of State of Nevada (If a foreign entity is the survivor in the merger - NRS 92A.180):

Attn: \_\_\_\_\_  
 c/o: \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_

- 3) (Choose one)

- ☒ The undersigned declares that a plan of merger has been adopted by each constituent entity (NRS 92A.200).  
☐ The undersigned declares that a plan of merger has been adopted by the parent domestic entity (NRS 92A.180)

- 4) Owner's approval (NRS 92A.200)(options a, b, or c must be used, as applicable, for each entity) (If there are more than four merging entities, check box ☐ and attach an 8 1/2" x 11" blank sheet containing the required information for each additional entity):

- (a) Owner's approval was not required from :

Smiths Detection-Pasadena, Inc.

Name of merging entity, if applicable

Name of merging entity, if applicable

Name of merging entity, if applicable

Name of merging entity, if applicable

and, or,

Environmental Technologies Group, Inc.

Name of surviving entity, if applicable

This form must be accompanied by appropriate fees. See attached fee schedule.

NRS 92A.180 CT System Online

Nevada Secretary of State AB Merger 1003  
 Revised 01/10/2003

DEAN KELLER  
Secretary of State  
204 North Carson Street, Suite 1  
Carson City, Nevada 89701-4229  
(775) 684 5708  
Website: secretaryofstate.biz



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(b) The plan was approved by the required consent of the owners of \*:

\_\_\_\_\_  
Name of merging entity, if applicable

\_\_\_\_\_  
Name of merging entity, if applicable

\_\_\_\_\_  
Name of merging entity, if applicable

\_\_\_\_\_  
Name of merging entity, if applicable

and, or,

\_\_\_\_\_  
Name of surviving entity, if applicable

\* Unless otherwise provided in the certificate of trust or governing instrument of a business trust, a merger must be approved by all the trustees and beneficial owners of each business trust that is a constituent entity in the merger.

This form must be accompanied by appropriate fees. See attached fee schedule.

MS923 - 11/15/2003 C T Systems Online

Nevada Secretary of State 1000 Market Street  
Carson City, NV 89703

DEAN HELLER  
Secretary of State  
204 North Carson Street, Suite 1  
Carson City, Nevada 89701-4298  
(775) 684 5708  
Website: secretaryofstate.biz



**Important:** Read attached instructions before completing form.

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(c) Approval of plan of merger for Nevada non-profit corporation (NRS 92A.160):

The plan of merger has been approved by the directors of the corporation and by each public officer or other person whose approval of the plan of merger is required by the articles of incorporation of the domestic corporation.

\_\_\_\_\_  
Name of merging entity, if applicable

\_\_\_\_\_  
Name of merging entity, if applicable

\_\_\_\_\_  
Name of merging entity, if applicable

\_\_\_\_\_  
Name of merging entity, if applicable

and, or,

\_\_\_\_\_  
Name of surviving entity, if applicable

This form must be accompanied by appropriate fees. See attached fee schedule.

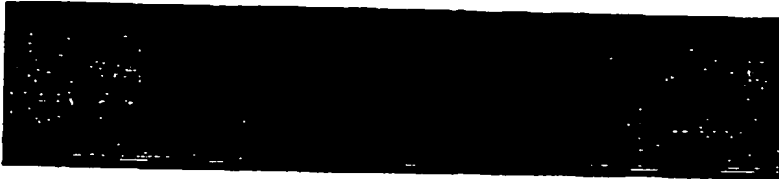
MS025 - 1/13/2003 C.T. Systems Online

Nevada Secretary of State All Mergers 2003  
REVISED on 10/24/03





**DEAN HELLER**  
 Secretary of State  
 204 North Carson Street, Suite 1  
 Carson City, Nevada 89701-4299  
 (775) 684 5798  
 Website: secretaryofstate.biz



**Important:** Read attached instructions before completing form.

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- 5) Amendments, if any, to the articles or certificate of the surviving entity. Provide article numbers, if available. (NRS 92A.200)\*:

FIRST: The name of the Corporation is Smiths Detection Inc.

- 6) Location of Plan of Merger (check a or b):

☐ (a) The entire plan of merger is attached;

or,

☒ (b) The entire plan of merger is on file at the registered office of the surviving corporation, limited-liability company or business trust, or at the records office address if a limited partnership, or other place of business of the surviving entity (NRS 92A.200).

7) Effective date (optional)\*\*: JUNE 30, 2004, 12:02 AM

\* Amended and restated articles may be attached as an exhibit or integrated into the articles of merger. Please entitle them "Restated" or "Amended and Restated," accordingly. The form to accompany restated articles prescribed by the secretary of state must accompany the amended and/or restated articles. Pursuant to NRS 92A.180 (merger of subsidiary into parent - Nevada parent owning 90% or more of subsidiary), the articles of merger may not contain amendments to the constituent documents of the surviving entity except that the name of the surviving entity may be changed.

\*\* A merger takes effect upon filing the articles of merger or upon a later date as specified in the articles, which must not be more than 90 days after the articles are filed (NRS 92A.240).

This form must be accompanied by appropriate fees. See attached fee schedule.

DEAN HELLER  
Secretary of State  
204 North Carson Street, Suite 1  
Carson City, Nevada 89701-4239  
(775) 684 5705  
Website: secretaryofstate.biz

Important: Read attached instructions before completing form.

ABOVE SPACE IS FOR OFFICE USE ONLY

- 8) Signatures - Must be signed by: An officer of each Nevada corporation; All general partners of each Nevada limited partnership; All general partners of each Nevada limited liability company with managers or all the members if there are no managers; A trustee of each Nevada business trust (NRS 92A.230)\*  
(If there are more than four merging entities, check box ☐ and attach an 8 1/2" x 11" blank sheet containing the required information for each additional entity.):

Smiths Detection-Pasadena, Inc.

Name of merging entity

David Kuckelmann David Kuckelmann, Secretary 6 / 25 / 2004  
Signature Title Date

Name of merging entity

Signature Title Date

Name of merging entity

Signature Title Date

Name of merging entity

Signature Title Date

Environmental Technologies Group, Inc.

Name of surviving entity

Walter E. Orme Walter E. Orme, Assistant Secretary 6 / 25 / 2004  
Signature Title Date

\* The articles of merger must be signed by each foreign constituent entity in the manner provided by the law governing it (NRS 92A.230). Additional signature blocks may be added to this page or as an attachment, as needed.

**IMPORTANT:** Failure to include any of the above information and submit the proper fees may cause this filing to be rejected.

This form must be accompanied by appropriate fees. See attached fee schedule.

Nevada Secretary of State All Mergers 5003  
Revised on 10/04/03

WMS - 11/12/03 C T Systems Online

# Delaware

PAGE 1

*The First State*

I, HARRIET SMITH WINDSOR, SECRETARY OF STATE OF THE STATE OF DELAWARE, DO HEREBY CERTIFY THE ATTACHED IS A TRUE AND CORRECT COPY OF THE CERTIFICATE OF OWNERSHIP, WHICH MERGES:

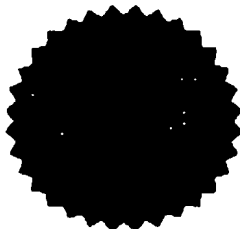
"SMITHS DETECTION-PASADENA, INC.", A DELAWARE CORPORATION, WITH AND INTO "ENVIRONMENTAL TECHNOLOGIES GROUP, INC." UNDER THE NAME OF "SMITHS DETECTION INC.", A CORPORATION ORGANIZED AND EXISTING UNDER THE LAWS OF THE STATE OF NEVADA, AS RECEIVED AND FILED IN THIS OFFICE THE TWENTY-EIGHTH DAY OF JUNE, A.D. 2004, AT 3:10 O'CLOCK P.M.

AND I DO HEREBY FURTHER CERTIFY THAT THE EFFECTIVE DATE OF THE AFORESAID CERTIFICATE OF OWNERSHIP IS THE THIRTIETH DAY OF JUNE, A.D. 2004, AT 12:02 O'CLOCK A.M.

A FILED COPY OF THIS CERTIFICATE HAS BEEN FORWARDED TO THE NEW CASTLE COUNTY RECORDER OF DEEDS.

3821891 8100M

040474990



*Harriet Smith Windsor*  
HARRIET SMITH WINDSOR, Secretary of State

DATE: 06-29-04

State of Delaware  
Secretary of State  
Division of Corporations  
Delivered 03:25 PM 06/28/2004  
FILED 03:10 PM 06/28/2004  
SRV 040474990 - 2732847 FILE

**CERTIFICATE OF OWNERSHIP AND MERGER**

**MERGING**

**SMITHS DETECTION-PASADENA, INC.**  
(a Delaware corporation)

**INTO**

**ENVIRONMENTAL TECHNOLOGIES GROUP, INC.**  
(a Nevada corporation)

---

Pursuant to Sections 103 and 253 of the General  
Corporation Law of the State of Delaware

---

Environmental Technologies Group, Inc., a Nevada corporation (the "Parent Corporation"), which desires to merge Smiths Detection-Pasadena, Inc., a Delaware corporation (the "Company"), with and into itself pursuant to the provisions of Section 253 of the General Corporation Law of the State of Delaware (the "DGCL"), hereby certifies as follows:

**FIRST:** That the Company was incorporated on March 25, 1997 pursuant to the DGCL.

**SECOND:** That the Parent Corporation was incorporated on October 22, 1997 pursuant to the DGCL and owns all of the outstanding stock of the Company.

**THIRD:** The General Corporation Law of Nevada permits the merger of a Nevada business corporation with a business corporation of another jurisdiction.

**FOURTH:** That the Parent Corporation, by the following resolutions of its Board of Directors, duly adopted on June 18, 2004 by the unanimous written consent of its members, filed with the minutes of the Board and as set forth on Exhibit A hereto, determined to merge the Company into itself (the "Merger").

**FIFTH:** The name of the surviving corporation of the merger shall be Environmental Technologies Group, Inc., which shall hereinwith be changed to Smiths Detection Inc., a Nevada corporation (the "Surviving Corporation").

**SIXTH:** The Articles of Incorporation of the Surviving Corporation shall be the Articles of Incorporation of Environmental Technologies Group, Inc.

**SEVENTH:** That Environmental Technologies Group, Inc. survives the Merger and may be served with process in the State of Delaware in any proceeding for enforcement of any obligation of Smith Detection-Pasadena, Inc. as well as for enforcement of any obligation of the Surviving Corporation arising from the Merger, including any suit or other proceeding to enforce the right of any stockholder as determined in appraisal proceedings pursuant to the provisions of Section 262 of the DGCL, and it does hereby irrevocably appoint the Secretary of State of Delaware as its agent to accept service of process in any such suit or other proceeding. The address to which a copy of such process shall be mailed by the Secretary of State of Delaware is One Electronics Drive, Trenton, NJ 08619 until the Surviving Corporation shall have hereafter designated in writing to the said Secretary of State a different address for such purpose.

**EIGHTH:** The Merger shall become effective at 12:02 a.m. on June 30, 2004.

IN WITNESS WHEREOF, Environmental Technologies Group, Inc. has caused this Certificate of Ownership and Merger to be signed by its Asst. Sec. as of this 25th day of June, 2004.

ENVIRONMENTAL TECHNOLOGIES  
GROUP, INC.

By: Walter E. Orme

Walter E. Orme  
Assistant Secretary

**Exhibit A**

**Resolutions of the Board of Directors of Environmental Technologies Group, Inc.**

**MERGER WITH SMITHS DETECTION-PASADENA, INC. AND NAME CHANGE**

WHEREAS, the Board desires to merge Smiths Detection-Pasadena, Inc., a Delaware corporation and wholly-owned subsidiary of the Company (the "Subsidiary Corporation"), into itself, following which the Company will continue as the surviving corporation (the "Pasadena Merger");

WHEREAS, in connection with the consummation of the Pasadena Merger, the Board deems it to be in the best interests of the Company to change the name of the Company to "Smiths Detection Inc.";

WHEREAS, the Company and the Subsidiary Corporation have prepared an Agreement and Plan of Merger in substantially the form attached hereto as Exhibit B (the "Pasadena Merger Agreement") for the purpose of effectuating the Pasadena Merger; and

WHEREAS, the Board of Directors of the Company has determined that it is in the best interests of the Company to approve the Pasadena Merger Agreement and thereby effect a merger with the Subsidiary Corporation.

**NOW, THEREFORE BE IT:**

**RESOLVED**, that the Board of Directors hereby declares advisable and approves the merger of the Subsidiary Corporation with and into the Company, with the Company continuing as the surviving corporation; and it is further

**RESOLVED**, that the Subsidiary Corporation shall be merged with and into the Company and shall become effective and the corporate existence of the Subsidiary Corporation shall cease upon the time and date specified in the Articles of Merger to be filed with the Secretary of State of the State of Nevada pursuant to the applicable provisions of the NGCL with respect to the Pasadena Merger; and it is further

**RESOLVED**, that the Company shall be the surviving corporation in the Merger, which shall continue its corporate existence under the NGCL and shall possess all rights and assets of each of the Company and the Subsidiary Corporation (the "Constituent Corporations") and be subject to all the liabilities and obligations of each of the Constituent Corporations in accordance with the provisions of the NGCL; and it is further

**RESOLVED**, that the Company does hereby agree that it may be served with process in the State of Delaware in any proceeding for enforcement of any obligation of this Company arising from the merger herein provided for; does hereby irrevocable appoint the Secretary of State of the State of Delaware as its agent to accept service of process in any such proceeding; and does hereby specify the following address to which a copy of such process shall be mailed by the Secretary of State of the State of Delaware; and it is further

RESOLVED, that this Company shall cause to be executed and filed and/or recorded the documents prescribed by the laws of the State of Delaware, by the laws of the State of Nevada, and by the laws of any other appropriate jurisdiction and will cause to be performed all necessary acts within the jurisdiction of organization of the Subsidiary Corporation and of this Company and in any other appropriate jurisdiction; and it is further

RESOLVED, that each officer of the Company be, and each of them hereby is, authorized and directed, in the name and on behalf of the Company, to take or cause to be taken all actions which are necessary, or desirable to obtain any and all needed consents and approvals to consummate the Pasadena Merger, and it is further

RESOLVED, that each officer of the Company be, and each of them hereby is, authorized, empowered and directed, on behalf and in the name of the Company, to determine the date of filing of the Certificate of Ownership and Merger under the DGCL and the Articles of Merger under the NGCL for the Pasadena Merger, and to cause all transactions contemplated by these resolutions to be consummated and performed in the manner provided therein and from time to time to do, or cause to be done, all such other acts or things, and to execute and deliver all such agreements, instruments, certificates and other documents, as such officer acting shall deem in his or her sole discretion desirable to carry out the purposes and intents of any of the foregoing resolutions; and it is further

RESOLVED, that an Amendment to the Company's Articles of Incorporation to change the name of the Company to "Smiths Detection Inc." (the "Amendment") be and it hereby is approved and submitted to the sole stockholder of the Company for adoption; and it is further

RESOLVED, that, upon adoption of the Amendment by the sole stockholder of the Company, Article FIRST of the Articles of Incorporation of the Company be amended in its entirety to read as follows:

"1. The name of the corporation shall be Smiths Detection Inc."

; and it is further

RESOLVED, that the Amendment shall be effective upon the effective date of the filing of a Certificate of Amendment to the Articles of Incorporation of the Company, setting forth the foregoing Amendment, with the Secretary of State of the State of Nevada; and it is further

RESOLVED, that other than with respect to the changes contemplated by the Amendment, the Articles of Incorporation and the bylaws of the Company shall continue in full force and effect as the Articles of Incorporation and the bylaws of the Company.



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